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This listing of claims will replace all prior versions and listings of claims in this application:

a.) Listing of Claims

1. (Currently amended) A URL resolution system for resolving Universal Resource Locators (URLs), the URL resolution system comprising:

a website crawler for crawling a website comprising one or more webpages, locating script code and selecting script code that possesses one or more specific portions which are used to dynamically create one or more script URLs; and

a script URL resolution component for <u>loading said one or more webpages</u>, causing examination of said one or more specific portions of the script code selected during the crawling which are used to dynamically create one or more script URLs and causing execution of said one or more selected portions of the script code to obtain said one or more script URLs.

- (Previously amended) The URL resolution system as claimed in claim 1 wherein the website crawler crawls individual web pages associated with a websites, and has a crawling controller for controlling the website crawler.
- 3. (Previously amended) The URL resolution system as claimed in claim 2 wherein the website crawler has a script code detector for determining if a web page uses script code to dynamically create one or more script URLs.
- 4. (Previously amended) The URL resolution system as claimed in claim 3 wherein the script code detector has a notification generating function for generating a notification when the script code detector locates a web page that uses script code to dynamically create one or more script URLs.

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> 5. (Original) The URL resolution system as claimed in claim 2 wherein the crawling controller receives results of script code examination from the script URL resolution

component, and controls the website crawler based on the examination results.

6. (Original) The URL resolution system as claimed in claim 5 wherein the examination

results include the script URL when the script code examination is successful, and the crawling controller controls the web crawler to crawl a web page identified by the script

URL.

7. (Original) The URL resolution system as claimed in claim 6 wherein the crawling

controller controls the website crawler to crawl multiple web pages in parallel.

8. (Original) The URL resolution system as claimed in claim 6 wherein the crawling

controller controls the website crawler to crawl the web page identified by the script URL

immediately.

9. (Original) The URL resolution system as claimed in claim 6 wherein the crawling

controller controls the website crawler to queue the web page identified by the script

URL for crawling at a later time.

10. (Cancelled)

11. (Previously amended) The URL resolution system as claimed in claim 1 wherein the

script URL resolution component comprises:

a web page loading controller for instructing a web page examiner to load the

web page located by the website crawler; and

a script code execution controller for instructing the web page examiner to

execute said specific portions of the script code used in the loaded web page to obtain

said one or more script URLs.

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12. (Currently amended) The URL resolution system as claimed in claim 10 11 wherein the URL resolution system includes the web page examiner.

13. (Currently amended) The URL resolution system as claimed in claim 40 11 wherein the script code execution controller uses an execution function of the web page examiner to execute the specific part of the script code.

14. (Previously amended) The URL resolution system as claimed in claim 4 wherein the script code detector generates a notification when it locates a web page that uses one or more specific portions of script code to dynamically create one or more script URLs; and

the web page loading controller controls loading of the located web page in response to the notification received from the website crawler.

- 15. (Previously amended) The URL resolution system as claimed in claim 1 wherein the script URL resolution component outputs an execution result including the script URL when the execution of the script code is successful; and the website crawler performs crawling of a web page identified by the script URL.
- 16. (Original) The URL resolution system as claimed in claim 1 wherein the script URL resolution component outputs an examination result including a failure result when the examination of the script code fails.
- 17. (Previously amended) The URL resolution system as claimed in claim 1 wherein the URL resolution system comprises a presentation unit to present the examination result to a user.
- 18. (Original) The URL resolution system as claimed in claim 1 wherein the script URL resolution component is provided as a part of the URL resolution system.

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19. (Previously amended) The URL resolution system as claimed in claim 1 wherein the script URL resolution component is provided as a part of the website crawler.

20. (Currently amended) The URL resolution system as claimed in claim $\frac{10}{11}$ wherein

the website crawler includes the web page examiner.

21. (Previously amended) The URL resolution system as claimed in claim 1 wherein the

website has one or more web pages, and the script URL resolution component is a script

URL gatherer for locating each URL contained in any of the web pages associated with

the website and causing examination of a web page identified by each URL during the

crawling to resolve script code contained in the web page to obtain one or more script

URLs created by the script code.

22. (Currently amended) The URL resolution system as claimed in claim 20 21

comprising an advanced web page examiner having:

a web page loader for loading a web page identified by a URL received from the

script URL gatherer; and

a script code examiner for examining the loaded web page to resolve any script URL

that is created by script code in the loaded web page.

23. (Currently amended) The URL resolution system as claimed in claim 20 21 wherein

the script code examiner selects and executes specific portions of the script code found in

the loaded web page used to dynamically create one or more script URLs, and returns

said one or more script URLs to the script URL gatherer.

24. (Currently amended) The URL resolution system as claimed in claim $\frac{21}{22}$ wherein

the advanced web page examiner is provided as a part of the URL resolution system.

25. (Currently amended) The URL resolution system as claimed in claim 20 22 wherein

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the website crawler comprises a script code detector for detecting a web page that uses script code to create at least one script URL; and

the script URL gatherer sends to the advanced web page examiner a URL of the web page detected by the script code detector.

26. (Currently amended) A method for resolving Universal Resource Locators (URLs), the method comprising steps of:

locating script code which dynamically creates one or more script URLs while crawling a website comprising one or more webpages;

examining specific portions of the script code used to dynamically create one or more script URLs to obtain said one or more script URLs from the examination result by <u>loading said one or more web pages</u>, executing said specific portions of script code; and

crawling one or more web pages identified by said one or more script URLs.

27. (Currently amended) The method as claimed in claim 25 26 wherein the locating step selects one or more specific portions of said script code which creates one or more script URLs by examining said specific portions of script code found in the website.

28. (Cancelled)

29. (Currently amended) The method as claimed in claim 25 26 wherein;

the step of locating script code comprises locating a web page that uses script code to dynamically create one or more script URLs, the script code having a specific portion that is used for the creation of said one or more script URLs; and the step of examining specific portions of the script code comprises the steps of:

loading the located web page; and

executing the specific portion of the script code in the loaded web page to resolve said one or more script URLs.

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30. (Currently amended) The method as claimed in claim $27 \frac{29}{2}$ wherein the step of

loading the webpage comprises a step of instructing a web page examiner to load the

located web page.

31. (Currently amended) The method as claimed in claim 27 29 wherein the step of

executing the specific portion of the script code comprises a step of instructing a web

page examiner to execute the specific part of the script code.

32. (Currently amended) The method as claimed in claim 27 29 comprising the additional

step of continuing crawling of a web page identified by the script URL.

33. (Currently amended) The method as claimed in claim 30 32 wherein the step of

continuing crawling of a web page comprises a step of crawling the web page identified

by the script URL immediately.

34. (Currently amended) The method as claimed in claim 30 32 wherein the step of

continuing crawling of a web page comprises a step of crawling the web page identified

by the script URL in parallel to crawling of other web page.

35. (Currently amended) The method as claimed in claim $\frac{30}{2}$ wherein the step of

continuing crawling of a web page comprises steps of

queuing the web page identified by the script URL; and

crawling the queued web page at a later time.

36. (Currently amended) The method as claimed in claim $25 \ \underline{26}$ wherein the step of

locating script code comprises steps of:

finding a URL in the web pages; and

examining a web page identified by the URL to locate script code in the web page

identified by the URL

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37. (Currently amended) The method as claimed in claim 34 36 comprising the additional

step of selecting a web page that contains script code that is used to dynamically create

one or more script URL, and wherein the examining step examines the selected web

page.

38. (Currently amended) The method as claimed in claim $20 \ \underline{26}$ comprising the additional

steps of:

obtaining examination results including said one or more script URLs when the

examination step is successful and a failure result when the examination step fails

to obtain said one or more script URLs; and

presenting to a user the examination result including said one or more script

URLs and/or the failure result.

39. (Currently amended)A computer readable medium storing the instructions and/or

statements for use in the execution in a computer of a method for resolving Universal

Resource Locators (URLs), the method comprising steps of:

locating script code while crawling a website comprising one or more web pages;

determining whether said script code possesses one or more specific portions which

are used to dynamically create one or more script URLs; and

examining said one or more specific portions of script code to obtain said one or more

script URLs from the examination result by loading said one or more webpages and

executing said one or more portions of script code.

40. (Currently amended) Electronic signals for use in the execution in a computer of a

method for resolving Universal Resource Locators (URLs), the method comprising steps

of:

locating script code while crawling a website comprising one or more web pages;

determining whether said script code possesses one or more specific portions which

are used to dynamically create one or more script URLs; and

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<u>loading said one or more webpages, and</u> examining said one or more specific portions of script code to obtain said one or more script URLs from the examination result by executing said one or more portions of script code.

41. (Currently amended) A computer program product for use in the execution in a computer of a method for resolving Universal Resource Locators (URLs), the computer program product comprising:

a module for locating script code which possesses one or more specific portions which are used to dynamically create one or more script URLs while crawling a website comprising one or more web pages; and

a module for <u>loading said webpages</u>, and examining said specific portions of script code to obtain said one or more script URLs from the examination result by executing said one or more specific portions of script code.

- 42. (Currently amended) A URL resolution system for resolving Universal Resource Locators (URLs), said URL resolution system comprising:
 - a website crawler for crawling a website comprising one or more web pages and locating script code within said website;
 - a script code detector for specifically determining the presence of portions of said script code used to dynamically create one or more script URLs; and
 - a script URL resolution component for <u>loading said one or more webpages</u>, and examining said portions of said script code used to dynamically create said one or more script URLs to obtain said one or more script URLs by identifying one or more script URLs from said portions of said script code.
- 43. (Currently amended) The URL resolution system as claimed in claim 32 34 wherein script URL resolution component identifies said one or more script URLs by executing said portions of said script code used to dynamically create one or more script URLs.

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44. (Currently amended) A method of testing the functionality of a website containing script URLs, said method comprising the following steps:

providing a URL resolution system comprising:

a website crawler for crawling a website comprising one or more web pages and locating script code within said website;

a script code detector for specifically determining the presence of portions of said script code used to dynamically create one or more script URLs; and

a script URL resolution component for <u>loading said one or more web pages</u>, and examining said specific portions of said script code used to dynamically create said one or more script URLs to obtain said one or more script URLs by identifying one or more script URLs in the specific portion of said script code;

wherein said URL resolution component obtains said one or more script URLs and returns said one or more script URLs to said webcrawler:

wherein said web crawler crawls said website to test the integrity of each URL contained within said website including script URLs; and

wherein said URL resolution system comprises a presentation unit to report nonresolving or 'broken' URLs to a user.